

NSD Monday Morning Meeting



March 12, 2007



m Cubed

LDRD

FY 2008 Laboratory Directed R&D (LDRD) Proposal Schedule

December 8, 2006

Director issues call for proposals and guidance for FY 2008 LDRD to Division Directors and staff scientists

December 15, 2006

Call for proposals announced in Berkeley Lab View

This Wednesday

March 14, 2007

Principal investigators submit FY 2008 LDRD proposals to Division Directors

March 21, 2007

Division Directors forward proposed FY 2008 LDRD "Laboratory-wide" proposals to the Director's Office

March 28, 2007

Director's Office issues guidelines for proposal reviews

April 13, 2007

Division Directors forward all other proposals, with their rankings, to the Director's Office

May, 2007

Reviews for all FY 2008 proposals

June, 2007

Director notifies Division Directors of preliminary FY 2008 awards. Awards will also be announced at the start of the fiscal year in Berkeley Lab View after DOE approval and authorization to proceed.

EH&S: TAB

SAFETY LESSONS LEARNED

Avoid Shelf Collapses With Proper Installations



An employee recently moved to an office that had four 6-foot-wide bookshelves attached to the wall, supported by three vertical metal columns

with slots. One of the four bookshelves collapsed when the employee was away. The shelves are supported by brackets anchored into slots in the metal columns, a common set-up in many Berkeley Lab offices. An evaluation revealed that some of the screws used to secure the vertical metal columns impeded the brackets from fully engaging into the slots. Additional screws secured to the columns immediately above the shelves will prevent the shelves from collapsing. Go [here](#) to learn more about the incident and to view images. Contact **Eugene Lau** at x4301 with any questions.

Feb. 12, 2007

SAFETY NOTE

Tips on Proper Usage Of Portable Heaters



Those using electric portable space heaters should follow several safety tips. The heater must not exceed 1500 watts, must automatically shut off if tipped over, and must

have a double-insulated cord with a grounded (three-prong) plug. Inspect the heater regularly to ensure it's not covered with dust and the cord is sound. Do not place the heater near combustible materials, or use in areas that are wet or contain flammable vapors. Go [here](#) for more tips on the safe use of portable heaters.

Feb. 23, 2007



EH&S: Lessons Learned Bookshelves



Fortunately, the employee was not around



EH&S: Lessons Learned Bookshelves

- Some of the screws used to secure the vertical metal columns impeded the brackets from fully engaging into the slots.
- Additional screws secured to the columns immediately above the shelves will prevent them from collapsing





EH&S: Space/Portable Heaters



(Pictures taken at a HEP DOE lab in Illinois)



EH&S: Space/portable Heater

Minimum Safety Features



- The heater must be the **GROUND**ED type (cord with three-prong plug) or **double insulated** and have the Underwriters Laboratories (UL) Listing Mark.
- The heater must have a **maximum** rating of **1500 watts** or **13 amps**.
- The heater must **AUTOMATICALLY SHUT OFF** when it is tipped forward or backward as a minimum. (The switch should be tested annually by tilting the space heater while it is turned on. If the switch functions properly, the unit will shut off automatically.)
- The heater should be **cleaned** and not covered with dust. Cords must be in good condition and not frayed.

PUB 3000, Sec. I 2.8. I



EH&S: Space/portable Heater

Use

- Always **read** and follow manufacturers' operating **instructions** before operating
- Always **TURN OFF** the heater or **UNPLUG** it when you leave the office for an extended period (i.e., meeting, lunch, and at the end of the day).
- Do not try to use a portable space heater to heat the entire suite or floor. Portable electric heaters are designed to be used as supplemental heat for a single room or small area. They should provide temporary heat only.
- If the heating requirement is permanent, or if you have found that multiple persons within your office suite or space are using electric portable space heaters to supplement the heat in the same area, please contact the Facilities Work Request Center **x6274** to have the building heating system inspected and adjusted.
- If your space heater causes the circuit breaker to trip, contact the Facilities Work Request Center to review the adequacy of the electrical circuit.
- For 24-hour operation (e.g., during construction or maintenance shutdown), **obtain a permit** by calling the Fire Department, ext. 6015, for the proposed operation. Post the permit conspicuously near the appliance.



EH&S: Space/portable Heater

Placement

- The heater shall be placed on a **level and sturdy surface**.
- **Do not use where flammable or explosive vapors or dusts, toxic, or radioactive materials may be present.**
- Do not place heater near combustible materials such as papers, magazines, drapes, or office furniture. Follow manufacturer guidelines for placement of the heater. If none are present, provide **at least 36 inches clearance in front** of the heater and **18 inches from the sides and back**.
- Use of heaters in or near wet areas such as locker/shower rooms is prohibited.
- Do not place a heater in an exit way where the cord can become a tripping hazard.
- Do not plug a heater into extension cords or plug strips. **It should be plugged into a permanent wall outlet.** If a new wall outlet is needed, contact the Facilities Work Request Center to have a wall outlet installed.
- **Never run a power cord under the carpet or floor mat.**

Should you have any questions or concerns, please contact the **Fire Marshal** or the Electrical Safety Engineer.



EH&S: Space/portable Heater

As of March 2007

Fire Marshal:

Gary Piermattei x6370

Pager: 425-3427

Electrical Safety:

Keith Gershon x4694



Seminars

(Mar 12, 2007 - Mar 25, 2007)

- UCB Physics colloquium (4:30 PM, 1 LeConte):

March 19, 2007

4:30 pm

1 LeConte Hall

Colloquia

Order And Disorder In Columnar Joints

Stephen W. Morris

Columnar joints are three-dimensional fracture networks that form in cooling basaltic lava flows. The network organizes the solid flow into ordered, mostly hexagonal columns. Famous examples include the Giant's Causeway in Northern Ireland, Fingal's cave in Scotland and The Devil's Postpile in California. The same pattern can be observed on a smaller scale in desiccating corn starch, and in some other materials. We have made the first three dimensional study of the evolution of the network in corn starch and relate these observations to the mature patterns observed in basalt.



Seminars

(Mar 11, 2007 - Mar 25, 2007)

- Nuclear Physics Forum: None?
- Heavy Ion Tea: None.
- INPA Journal Club (12 noon, 50-5026)

16 March

Daniel Kocevski (UC Berkeley)

Problems with the GRB paradigm, recent unexpected results from the Swift spacecraft

[Abstract](#)

23 March

Mark Wise (Caltech)

Imprints of a Primordial Preferred Direction on the Microwave Background

[Abstract](#)



Seminars

(Mar 11, 2007 - Mar 25, 2007)

- PD RPM (4 PM, 50A-5132):

Steinn Sigurdsson (Penn State)

Date: TUESDAY, March 13, 2007

Time: 4 P.M.

Location: 50A-5132

Title: "Exotic Earths"

Abstract:

Planets have been found in extreme systems; we have found planets where detection techniques have the requisite sensitivity. New theoretical modeling suggests that habitable terrestrial planets may be found in many of the already known "hot Jovian" systems of giant planets orbiting close to their host stars. In our models, protoplanetary cores survive the migration phase, in which the giant planets move from the outer orbits in which they form, to the warm inner system, with the terrestrial planetary embryos re-assembling into water rich terrestrial planets in the habitable zone, outside the orbit of the giant planets, quite unlike the solar system. Earths are likely to be common, not rare, and we should anticipate a very wide range of possible planetary systems and sites for life to start and evolve.



Seminars

(Feb 26, 2007 - Mar 11, 2007)

- Nuclear Engineering Colloq.

Colloquiums held in room 3105 Etcheverry Hall
Refreshments served from 3:45, Speaker 4:00 - 5:00 P.M.

March
12

John J.
Dorning

"A Century of
Reactor Kinetics
and Reactor
Dynamics"

March
19

Dr. Micah
Johnson

"Nuclear
Resonance
Fluorescence to
Probe Containers
for Illicit Material"



Next m^3

Date & Time: March 26, 2007, 9:00 AM

Shamsu Basunia: on AFCI

Future meeting dates and talks are listed in:
http://neutrino.lbl.gov/~snoman/NSD_MMM

Speaker suggestions:
[Alan Poon, awpoon@lbl.gov](mailto:awpoon@lbl.gov), x2467



Today's m^3

Jay Krous, Jim Mellander (IT Div)

Computer Security and Protection